Notice of Allowability	Application No.	Applicant(s)
	09/876,896	PAULRAJ ET AL.
	Examiner	Art Unit
	Ted M. Wang	2634
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-25.</u>		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Dat 08), 7. Examiner's Amendr	te

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, filed 10/10/2005, with respect to Claims 1-11 and 15-25 have been fully considered and are persuasive. The rejection of claims 1-11 and 15-25 under 35 USC § 102(b) has been withdrawn.

Allowable Subject Matter

- 2. Claims 1-25 are allowed.
- 3. The following is an examiner's statement of reasons for allowance.
 - The prior art fails to teach a method/system of Claims 1, 5, 7, 12, 15, and
 that specifically comprises the following:
 - -- The instant application is deemed to be directed to a non-obvious improvement over the admitted prior art of the instant application and the invention patented in Pat. No. US 5,235,615, US 5,828,659, US 6,275,705, and US 6,094,562. The improvement comprises-

With regard claims 1 and 5, "determining a time delay between reception at a predetermined point in said coverage area that is not coincident with the first or second transmitter of a first signal S_1 transmitted from said first transmitter at a first frequency f_1 and a second signal S_2 transmitted from said second transmitter at said first frequency f_1 " as recited,

With claims 7, 15, and 20, "wherein the first and second transmission delays are determined in coordination so that the transmitted

first signal and the transmitted second signal arrive at the receiver within a time δ of each other, where δ is greater than zero but less than a guard interval length used in the transmitting steps." as recited, and

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With regard claim 12, "receiving from at least two of the plurality of transmitters the useful signals and the interfering signals; canceling out the interfering signals using the received training sequences for the useful signals and the received training sequences for the interfering signals." as recited.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 5. Reference(s) US 6,275,705, and US 6,094,562 are cited because they are put pertinent to a wireless communication system with the time delay between transmitters and a fixed receiver. However, none of references teach detailed connection as recited in claim.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen Chin can be reached on (571) 272-3056. The fax phone number

for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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Ted M Wang

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Examiner

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Ted M. Wang

STEPHEN CHIN.
SUPERVISORY PATENT EXAMINE

TECHNOLOGY CENTER 2600